

WHAT IS CLAIMED IS:

1. A method of controlling an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image sensing instruction unit, comprising:
 - sensing a first image while causing the flash light to emit light in response to an image sensing designation by the image sensing instruction unit;
 - calculating a color temperature for processing
- 10 the first image using at least color temperature information of the first image.
2. The method according to claim 1, further comprising determining whether or not to sense an image using the flash light.
- 15 3. The method according to claim 2, further comprising storing a second image obtained immediately before the emission of the flash light in a storage device,
 - wherein in said calculating of the color
- 20 temperature, a color temperature of the first image is calculated using the first and second images.
4. The method according to claim 3, wherein the second image is an image obtained before the emission of the flash light in response to the image sensing designation by the image sensing instruction unit.
- 25 5. The method according to claim 3, wherein the second image is an image obtained before the emission

of the flash light when it is determined to sense an image using the flash light.

6. The method according to claim 3, wherein said calculating of the color temperature includes detecting 5 a color temperature of an external light using the second image.

7. The method according to claim 3, wherein said calculating of the color temperature includes detecting a ratio of brightness between the flash light and 10 external light using the second image.

8. The method according to claim 1, further comprising applying white balance correction corresponding to the calculated color temperature to the first image.

15 9. The method according to claim 1, wherein said calculating of the color temperature includes calculating a color temperature of the flash light using the first image.

10. The method according to claim 1, wherein said calculating of the color temperature includes 20 calculating a ratio of brightness between the flash light and an external light using the first image.

11. The method according to claim 9, wherein said calculation of the color temperature further comprises: 25
detecting a color temperature of external light using the second image;

detecting a ratio of brightness between the flash

light and external light using the first and second images; and

mixing the color temperatures of the external light and the flash light on the basis of the ratio of 5 brightness between the flash light and the external light.

12. The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when an exposure condition upon sensing the first image is 10 different from that upon sensing the second image, the color temperatures by correcting a difference due to the exposure conditions.

13. The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when 15 a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a sensitivity difference.

14. The method according to claim 11, wherein said 20 mixing of the color temperatures includes mixing, when a spectral sensitivity level upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a spectral sensitivity difference.

25 15. A controller for an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image sensing

instruction unit, comprising:

a first image sensing controller which controls
to sense a first image while causing the flash light to
emit light in response to an image sensing designation

5 by the image sensing instruction unit;

a color temperature calculation unit which
calculates a color temperature for processing the first
image using at least color temperature information of
the first image.

10 16. The controller according to claim 15, further
comprising a determination unit which determines
whether or not to sense an image using the flash light.

17. The controller according to claim 16, further
comprising a second image sensing controller which
15 controls to store a second image obtained immediately
before the emission of the flash light in a storage
device,

wherein said color temperature calculation unit
calculates a color temperature of the first image is
20 calculated using the first and second images.

18. The controller according to claim 17, wherein the
second image is an image obtained before the emission
of the flash light in response to the image sensing
designation by the image sensing instruction unit.

25 19. The controller according to claim 17, wherein the
second image is an image obtained before the emission
of the flash light when determination unit determined

to sense an image using the flash light.

20. The controller according to claim 17, wherein
said color temperature calculation unit includes a unit
which detects a color temperature of external light
5 using the second image.

21. The controller according to claim 17, wherein
said color temperature calculation unit includes a unit
which detects a ratio of brightness between the flash
light and external light using the second image.

10 22. The controller according to claim 15, further
comprising a white balance correction unit which
applies white balance correction corresponding to the
calculated color temperature to the first image.

23. The controller according to claim 15, wherein
15 said color temperature calculation unit includes a unit
which calculates a color temperature of the flash light
using the first image.

24. The controller according to claim 15, wherein
said color temperature calculation unit includes a unit
20 which calculates a ratio of brightness between the
flash light and external light using the first image.

25. The controller according to claim 23, wherein
said color temperature calculation unit comprises:

a unit which detects a color temperature of
25 external light using the second image;

a unit which detects a ratio of brightness
between the flash light and external light using the

- first and second images; and
- a unit which mixes the color temperatures of the external light and the flash light on the basis of the ratio of brightness between the flash light and
- 5 external light.
26. The controller according to claim 25, wherein when an exposure condition upon sensing the first image is different from that upon sensing the second image, said mixing unit mixes the color temperatures by
- 10 correcting a difference due to the exposure conditions.
27. The controller according to claim 25, wherein when a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, said mixing
- 15 unit mixes the color temperatures by correcting a sensitivity difference.
28. The controller according to claim 25, wherein when a spectral sensitivity level upon sensing the first image is different from that of the image sensor
- 20 upon sensing the second image, said mixing unit mixes the color temperatures by correcting a spectral sensitivity difference.
29. An image sensing apparatus including a controller of claim 15.
- 25 30. A storage medium storing a program which has a program code for implementing a control method of claim 1, and can be executed by an information processing

apparatus.

31. A storage medium storing a program, which can be
executed by an information processing apparatus, that
makes the information processing apparatus, which
5 executes the program, function as a controller of claim
15.